

AMENDMENTS TO THE CLAIMS

1 to 16. (Cancelled)

17. (New) A flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, wherein said foam contains, as an intumescent component, a combination of phosphoric acid compound, polyalcohol and a compound selected from the group of melamine, trihydrazinotriazine and dicyanamide.

18. (New) The foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein phosphoric ester polyols, ammonium polyphosphate, melamine phosphate, ethylenediamine phosphate, ammonium dihydrogen phosphate, aluminum orthophosphate, piperazine phosphate, guanidine phosphate or urea phosphate is or are used as the phosphoric acid compound.

19. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein dipentaerythritol, polyethylene glycol, pentaerythritol or phosphoric ester-based polyols is or are used as the polyalcohols.

20. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein the phosphoric acid compound, the polyalcohol and melamine are each used in an amount of from 5 to 50% by weight, the sum of the amounts used being not more than 75% by weight.

21. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein said foam contains assistants and additives from the group consisting of emulsifiers, foam stabilizers, drying agents, colored pigments, catalysts and solvents.

22. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein the foam is applied from one-component spray cans, guns or cartridges.

23. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein the foam is applied directly on site into the area to be sealed, where it foams to form a fire barrier.

24. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 18, wherein the foam is applied directly on site into the area to be sealed, where it foams to form a fire barrier.

25. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein the foam, after emerging from the spray cans, guns or cartridges used, has a density of from 25 to 550 g/l.

26. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 18, wherein the foam, after emerging from the spray cans, guns or cartridges used, has a density of from 25 to 550 g/l.

27. (New) The flexible foam expandable in a fire and based on styrene/butadiene, polyvinyl alcohol, polyurethane or neoprene, as claimed in claim 17, wherein the expansion factor on foaming in a fire is from 1.5 to 15.